

Appendix 1

Crude odds ratios (OR) for antiepileptic drug (AED) and carbamazepine (CBZ) exposure compared to 'no antiepileptic drug', valproic acid (VPA) and other antiepileptic drug exposure, using a non-chromosomal malformed control group (C1) and chromosomal control group (C2) [posted as supplied by author]

malformation subgroup	exposed	Carbamazepine monotherapy		
		OR _{crude} [95%CI] vs. no AED	OR _{crude} [95%CI] vs. VPA mono~	OR _{crude} [95%CI] vs. other mono
Spina bifida (N=2,048)	8 C ₁	2.7 [1.3-5.5]	0.2 [0.1-0.6]	1.1 [0.4-3.6]
	C ₂	4.7 [1.9-11.9]	0.4 [0.1-1.2]	1.4 [0.3-6.1]
Total anomalous pulm. v. return (N=132)	0 C ₁	-	-	-
	C ₂	-	-	-
Cleft lip (with or without palate) N=3,544)	1 C ₁	0.2 [0.0-1.4]	0.3 [0.0-2.6]	0.1 [p0.0-0.6]
	C ₂	0.3 [0.0-2.6]	0.4 [0.0-4.6]	0.1 [0.0-0.9]
Diaphragmatic hernia (N=755)	1 C ₁	0.9 [0.1-6.4]	0.4 [0.0-4.5]	0.2 [0.0-2.3]
	C ₂	1.6 [0.2-12.3]	0.6 [0.1-7.9]	0.3 [0.0-3.4]
Hypospadias, boys only (N=5,393)	6 C ₁	0.7 [0.3-1.7]	0.2 [0.1-0.5]	0.8 [0.2-2.7]
	C ₂	1.1 [0.4-3.3]	0.2 [0.1-0.9]	0.4 [0.1-2.9]

~ valproic acid exposed malformed excluding malformations associated with valproic acid exposure

^ other monotherapy excluding valproic acid